Lesson Overview SEND FEEDBACK

Lesson Overview



This lesson covers two of Machine Learning's fundamental approaches: **supervised** and **unsupervised** learning.

First, we'll cover **supervised learning**. Specifically, we'll learn:

- More about classification and regression, two of the most representative supervised learning tasks
- Some of the major *algorithms* involved in supervised learning, as well as how to evaluate and compare their performance
- How to use *automated machine learning* to automate the training and selection of classifiers and regressors, and how to use the Designer in Azure Machine Learning Studio to create automated Machine Learning experiments

Next, the lesson will focus on unsupervised learning, including:

- Its most representative learning task, clustering
- How unsupervised learning can address challenges like lack of labeled data, the curse of dimensionality, overfitting, feature engineering, and outliers
- An introduction to representation learning
- How to train your first clustering model in Azure Machine Learning Studio